

CLAIMS

5 We claim:

1. A method for providing video data, comprising:

receiving video data in a variable bit rate data stream at a video source;

transcoding said video data into a constant bit rate data stream between said video
10 source and a video destination, wherein said constant bit rate data stream has a data rate
exceeding a minimum display rate;

receiving said video data in said constant bit rate stream at said video destination;

delaying display of said video data at said video destination by a delay period;

transcoding said video data into a variable bit rate stream for variable bit rate
15 display processing to generate a display at said video destination, said variable bit rate
display processing varying between said minimum display rate and a maximum display
rate; and

storing excess received video data in at least one buffer within said video
destination.

20

2. The method of claim 1, further comprising determining said delay period is determined
responsive to whether said video data represents a live event.

3. The method of claim 1, further comprising:

receiving at least one retransmitted video data message at said video destination;

determining a location in said at least one buffer where a corresponding previous

5 video data message belonged; and

writing said at least one retransmitted video data message into said at least one
buffer at said determined location.

4. The method of claim 1, further comprising:

10 receiving a fast forward user command at said video destination; and

increasing said display rate responsive to said received fast forward user
command.

5. The method of claim 1, wherein said video destination includes a personal video

15 recorder device, wherein said personal video recorder includes a hard disc storage
component, and wherein said at least one buffer is defined within said hard disc storage
component.

6. A system for providing video data, comprising:

20 video source equipment operable to receive video data in a variable bit rate data
stream and to transcode said video data into a constant bit rate data stream between said

video source equipment and video destination equipment, wherein said constant bit rate data stream has a data rate exceeding a minimum display rate; and

wherein said video destination equipment is operable to receive said video data in said constant bit rate stream, to delay display of said video data at said video destination
5 by a delay period, to transcode said video data into a variable bit rate stream for variable bit rate display processing to generate a display at said video destination, said variable bit rate display processing varying between said minimum display rate and a maximum display rate, and to store excess received video data in at least one buffer within said video destination.

10

7. The system of claim 6, wherein said video destination equipment is further operable to determine said delay period is determined responsive to whether said video data represents a live event.

15

8. The system of claim 6, wherein said video destination equipment is further operable to receive at least one retransmitted video data message at said video destination, to determine a location in said at least one buffer where a corresponding previous video data message belonged, and to write said at least one retransmitted video data message into said at least one buffer at said determined location.

20

9. The system of claim 6, wherein said video destination equipment is further operable to receive a fast forward user command at said video destination, and to increase said display rate responsive to said received fast forward user command.

5 10. The system of claim 6, wherein said video destination includes a personal video recorder device, wherein said personal video recorder includes a hard disc storage component, and wherein said at least one buffer is defined within said hard disc storage component.

10 11. A system for providing video data, comprising:

means for receiving video data in a variable bit rate data stream at a video source;

means for transcoding said video data into a constant bit rate data stream between said video source and a video destination, wherein said constant bit rate data stream has a data rate exceeding a minimum display rate;

15 means for receiving said video data in said constant bit rate stream at said video destination;

means for delaying display of said video data at said video destination by a delay period;

means for transcoding said video data into a variable bit rate stream for variable bit rate display processing to generate a display at said video destination, said variable bit rate display processing varying between said minimum display rate and a maximum display rate; and

20

means for storing excess received video data in at least one buffer within said
video destination.